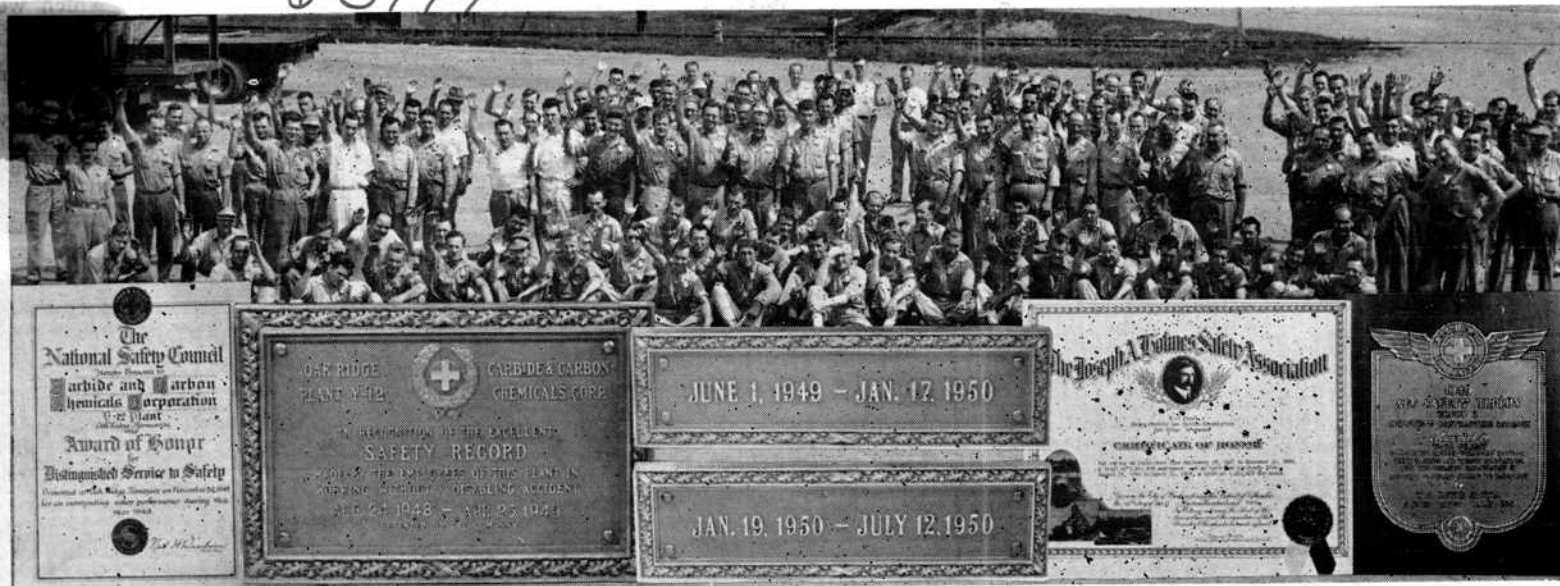


## Y-12ers Win Fourth, Fifth UCC Safety Citations

\*\*\* 6-3144 \*\*\*

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Y-12ERS IN THE MAINTENANCE SHOPS DEPARTMENT cheer on hearing that the plant again has won recognition for an exceptional safety record. Below are some of the previous plaques

and citations awarded Y-12 in the field of safety by the Company, the National Safety Council, Joseph A. Holmes Safety Association and the Atomic Energy Commission.

## 2,198,884 Hours Worked Without Lost Time Injury

Fourth One And A Half  
Mark Made In January

Y-12 employees have continued to demonstrate their safety-mindedness in placing their fourth and fifth periods of 500,000 man-hours worked without a disabling accident on the Union Carbide and Carbon Corporation records, it was officially announced last week.

These accomplishments earn the plant the third and fourth service bars to the bronze plaque presented by Union Carbide to Y-12ers in recognition of the Plant's lengthy and outstanding safety record. It will also mean a fourth round of individual awards for eligible employees.

The fourth accident free period began last September 22 and continued through January 30, 1951. During the time 1,773,906 man-hours were worked without a disabling accident. The fifth period was established between April 20, 1951, and June 29, 1951, this record continued through July 31, 1951, for a total of 2,198,884 man-hours without a disabling accident.

### First Record In 1948

The first accident free period, for which the bronze plaque was awarded the employees of Y-12 by Union Carbide, covered a period from August 24, 1948, through April 25, 1949, for a total of 2,853,478 man-hours worked without mishap.

The second accident free period for which the first bronze service bar was given was inaugurated June 1, 1949, and the 1,500,000 man-hours was reached December 6, 1949. However, the string was continuous until January 18, 1950, with an accumulation of 1,890,027 accident-free hours of work.

The third period extended from January 19, 1950, through July 12, 1950. This record brought the second bronze bar award to the plant.

### Receive Other Awards

Y-12ers have received three other safety awards in past years, two AEC safety awards and the Joseph A. Holmes award. The AEC awards were given to the employees of Y-12 for their reduction in the frequency and severity of accidents over the past year. The Holmes award was given in recognition of the safety record established by Y-12 employees.

The present safety records have established Y-12 as a safe plant, a distinction far greater than the awards given in recognition of these records. The records have been established by each and every Y-12er, and they should be justly proud. It should be the aim of every employee to continue this fine record. To continue to work safely and to think and practice safety both on and off the job.

## Texas City Plant Has New Process For Acetylene

A radically different chemical process for the production of acetylene, which has been in commercial operation for over a year at the Texas City plant of Carbide and Carbon Chemicals Company, is due for expansion. The method employed is a partial oxidation process involving the high temperature reaction of methane and oxygen.

The two highly reactive feed materials are combined chemically to produce a gas mixture containing essentially acetylene, with smaller percentages of carbon dioxide, methyl acetylene, diacetylene, vinyl acetylene, and other residual gases.

The Texas City unit is the first commercial installation of the partial oxidation process for acetylene production in the United States. It also has the largest acetylene production capacity of any unit in the United States by any process other than from calcium carbide. Present plans are that the capacity of the Texas City unit will be greatly enlarged.

The selection of the partial oxidation process for the manufacture of acetylene is the result of years of experimental work by various units of Union Carbide and Carbon Corporation covering various

Continued on Page 4

## Over Eighty Thousand Scientists Plan To Attend Jubilee Meeting

Eighteen thousand chemists and chemical engineers from 42 countries will convene in New York September 3 for a two-week World Chemical Conclave which will be the largest chemical gathering ever held.

Advances in many fields of research that may have far-reaching effects on the future of the human race will be reported at the Conclave, which will open with the Diamond Jubilee meeting of the American Chemical Society and will include the Sixteenth Conference of the International Union of Pure and Applied Chemistry.

President Truman has been invited to speak at the American Chemical Society's Diamond Jubilee banquet — the outstanding social event of the Conclave—at the Waldorf-Astoria on Wednesday night, September 5, according to an announcement by Professor N. Howell Furman of Princeton University, president of the Society.

More than 700 papers will be presented at a total of 80 symposia, which will be held in nine hotels — the Statler, the New Yorker, the Waldorf-Astoria, the Commodore, the Biltmore, the Roosevelt, the McAlpin, the Martinique, and the Governor Clinton. The Statler will be the general headquarters for the meeting, and also for the two international meetings to follow.

Exhibits in stores, railroad stations, libraries, museums and other public places are planned for New York and other communities at the time of the Conclave. The basic theme of these exhibits, most of which will be arranged through the efforts of the Society's 138 local sections, will be "Chemistry—Key to Better Living."

Diamond Jubilee programs of many types, in addition to exhibits, have been planned by the local sections outside New York. Public lectures and forums on the contributions of the chemist and chemical engineer to modern civilization, school assemblies, and local Jubilee stamp ceremonies are among the activities scheduled.

## Sons Of Y-12ers Receive Lincoln Trail Medals

A group of Oak Ridge Boy Scouts made a trip to Indiana during the last week-end in July to fulfill the requirements for the Indiana Lincoln Trail Medal. They motored to Ferry Park, near Troy, Indiana, under the supervision of Charles E. Engel, Boy Scouts of America Field Commissioner. Engel was assisted by Scoutmasters Fritz Hedman, of the AEC in Y-12 and C. F. Harrison of the Isotope Research and Production Division.

Among the Scouts who hiked the 17½ miles to earn the medal were two sons of Y-12ers. Bobby Harris, son of C. E. Harris, of the Research Services Department and Elizabeth Harris of the Product Processing Department and Howard Moon, son of N. H. Moon, of the Normal Uranium Processing Department.

The group consisted of three members of Troop 127 and four Scouts from Troop 325. The Lincoln Trail Medals were presented to the Scouts and their leaders at a Court of Honor held August 3, at Camp Pellissippi.

## Carbide Wives Card Party At Ridge Hall Tonight

The Carbide Wives Card Party will be held tonight, August 15, 7:30 p. m., in the West Lounge of Ridge Hall.

Hostesses will be: Mrs. William Penn, Mrs. H. M. McCloud, Mrs. E. J. Spitzer, Mrs. W. S. Herron, Mrs. E. H. Gray, and Mrs. K. A. Parker.

## Y-12 Swimming Party Is Rescheduled For Thursday, August 16

The Y-12 swimming party which was scheduled for last Thursday, August 9, and was cancelled because of rain, will be held tomorrow night, Thursday, August 16, at 8 p. m., at the Oak Ridge Pool. All persons who had planned to attend and who were scheduled to enter the competition are urged to be present.

Plans for the party will continue, with prizes to be given to the winners of all competition. The Recreation Department urges that all divisions and departments be represented at the party and in the competition.

A small admission fee will be charged to defray expenses—25c for adults and 10c for children from six to 16 years of age. Come on down to Ye Old Swimming Hole and have a big time.

### WATER GOVERNED SITE

The Christian Science Monitor says the site of the Atomic Energy Commission Savannah River Plant was selected because of the amount of water free from chemicals available from the Savannah River.

In a Plant Bulletin issued last week, the Y-12 Superintendent congratulated employees for the excellent safety record achieved at the Plant.

The message read in part: "We take great pride in the contribution all employees in this plant have made toward the plant safety records which have resulted in this and other awards. The awards are merely symbols of the real benefits derived from your efforts to protect life and property. The fact that pain, suffering, and monetary loss on the part of all employees, and interruptions of plant activities, have been maintained for below national averages, is actually the most apparent and gratifying result of your accident prevention efforts."

## SAFETY SCOREBOARD

Your Plant Has  
Operated  
11 Days  
Without A Lost Time  
Accident  
August 12, 1951



# The Bulletin

Published Weekly By And For  
Y-12 Employees Of  
CARBIDE AND CARBON  
CHEMICALS COMPANY  
A Division Of  
Union Carbide And Carbon  
Corporation  
Post Office Box P  
Oak Ridge Tenn.  
GEORGE W. DOBBS . . . Editor

## OFFICE

North Portal, Bldg. 9701-1  
Telephone 7753

## Attendance Record

WEEK ENDING AUGUST 5, 1951  
MAJOR LEAGUE  
More Than 50 Employees Scheduled

Dept.	Absent	8-5-51	7-29-51
2619	0.3	1	4
2283	0.9	2	8
2617	1.4	3	3
2091	1.6	4	6
2282	2.1	5	10
2003	2.2	6	9
2077	2.3	7	1
2014	2.4	8	7
2015	2.6	9	5
2018	2.7	10	2
2801	3.6	11	14
2060	3.8	12	12
2618	4.9	13	11
2142	6.2	14	13

Group absentee percentage was 2.7 per cent, .3 per cent higher than the preceding week.

## MINOR LEAGUE

15-49 Employees Scheduled

Dept.	Absent	8-5-51	7-29-51
2743	0.0	1	1
2093	0.0	1	1
2144	0.0	1	6
2005	0.0	1	12
2107	0.3	2	3
2133	0.5	3	10
2145	0.80	4	1
2090	0.83	5	5
2046	0.9	6	1
2108	2.3	7	2
2739	3.57	8	1
2200	3.57	8	1
2008	5.15	9	11
2096	5.19	10	13
2616	5.3	11	7
2002	5.5	12	8
2143	6.3	13	9
2064	6.8	14	4
2109	10.5	15	14

Group absentee percentage was 3.1 per cent, .4 per cent higher than the preceding week.

The plant average for the week ending August 5, 1951 was 2.9 per cent, .4 per cent higher than the preceding week.



Two Y-12 employees became parents of babies born recently at the Oak Ridge Hospital. They are: James W. Robinson, of the Analytical Chemistry Division, a girl, born August 8, and R. L. Smithers, of Buildings and Grounds, a girl, born August 8.

## Scientists Use A-Energy To Measure Age of Man

Recent press reports have revealed that Drs. Willard F. Libby and James R. Arnold, of the University of Chicago, have announced to the National Academy of Sciences in Schenectady, N. Y., that radioactive carbon studies indicate that man first lived in North America 10,000 years ago. The scientists reached their conclusion through measuring minute amounts of the carbon in 300 pairs of fibre candals found in a cave in Eastern Oregon.



Sue McKinnon and Bill Ross, both of the Analytical Chemistry Division, will be wed August 18, at the Chapel on the Hill, with the Rev. Frank Porter officiating. All their friends are cordially invited.

## Ode To Typographical Error--The Dirty Bum; Besets The Editor--Works Does Gum

Here is a little ditty swiped by The Bulletin from a contemporary publication. Just as a standing alibi in case—just in case, understand—it is being republished. So if any readers of The Bulletin happen to find such an error in the paper—please try and remember this poem.

The typographical error is a slippery thing and sly;  
You hunt 'till you are dizzy, but it somehow will get by.  
'Till the forms are off the presses, it is strange how still it keeps;  
It shrinks down into a corner and it never stirs nor peeps,  
That typographical error, too small for human eyes,  
'Till the ink is on the paper, when it grows to mountain size.  
The boss, he stares with horror, then he grabs his hair and groans,  
The copy reader drops his head upon his hands and moans.  
The remainder of the paper may be clean as clean can be—  
But that typographical error is the only thing you see.



Sylvia Hatmaker, of the Product Processing Department, spent last week vacationing in Richmond, Va. . . . Tony Osborne and his wife, Mary, spent a recent week end in the Smokies—celebrating their fifth anniversary—they saw the play, "Unto These Hills," while there. . . . Get-well wishes are extended to Marie Tilley's father, whom she and her husband, Jim, visited on a recent week end in a Nashville hospital. . . . Florence Archer spent the week end in Dayton, Ohio.

Jim W. Robinson, of the Analytical Chemistry Division, has returned from a week of vacation. . . . Dr. Oscar Menis attended the Gordon Conference last week; in New Hampshire, and is now on a week's vacation.

Bobbie Jessee, of the Plant Records Department, and her husband, Don, spent a recent Sunday at Fontana, N. C.

Barbara Jackson, of the Medical Department, is vacationing at Daytona Beach, Fla., this week. The Training Department welcomes Ava Jackson back after a recent illness.

John S. Drury, of the Material Chemistry Department, and his family are visiting relatives in Kentucky, while on a week of vacation. . . . D. A. Lee and his family are back from a week's vacation spent in North Carolina and Georgia. . . . The department extends get-well wishes to Pat Ravage, who is on the sick list. . . . Frank Knox finally got moved into his place over on Copper Ridge. . . . The department welcomes Robert S. Crouse and Bill C. Leslie to the roster. . . . Folks in the department are missing Roy Roseberry since his transfer to another department.

The Plant Engineering Department and friends of Evelyn Brackney are glad to hear that her father is improving after a recent illness. Get-well wishes are extended to Andy Inman. . . . T. M. Andress has returned from a week of vacation and Matthew Wisnowski is back from a two-week vacation.

Mary Nell Smith, of the Stores Department, vacationed last week at home in Oliver Springs. . . . Lucia Padgett spent the week end with her mother in Easley, S. C. . . . Ira Sharp has returned from a recent vacation.

R. C. Hill, R. R. Deathridge, C. G. McQueen, E. E. Fox, P. Y. Miller, J. M. Johnson, and Fred Robinson are among the two-week vacationers from the Buildings and Grounds Department.

Jim Parham, of the Assay Laboratory, has returned from a week of vacation. . . . Joel Thomason and his family are spending a two-week vacation in Louisiana. . . . Warren Beyer is on a two-week vacation.

Norma Harter, of the Personnel Department, and her mother are visiting relatives in Pennsylvania, while on a two-week vacation. . . . Louise Gardipee is spending a two-week vacation with her husband, Walter, who arrived from Korea last Friday. He has served with

the Army in Korea for about a year and is now awaiting his discharge.

J. E. Temple, of the Safety Department, now has his family, from Louisiana, with him; they are making their home in Knoxville.

Carl Neff, of the Analytical Laboratory, and his wife took a recent trip to Huntsville, Ala., to visit Betty Been, a former Y-12er, and her husband, Stewart. . . . Sara Ballinger had as recent guests her parents from Chattanooga; and other relatives from Louisiana. . . . Earline Banic and George, of the Isotope Research and Production Department, spent a recent week end in Gatlinburg with Earline's parents from South Carolina. They saw the play, "Unto These Hills," in Cherokee, N. C., while there. . . . Bill Burns has as guests his mother and father from Rome, Ga. . . . Daisy Ward and her husband, Roy, visited her mother, who was injured recently in Middlesboro, Ky. They also paid a recent visit to Daisy's sister in Athens, Tenn. . . . Bill Owens spent the week end with his folks in Tulahoma, Tenn. . . . Friends of Paul Long will be interested to know that one of his drawings has been accepted for publication in the November issue of the Amateur Arts and Camera Magazine. The department welcomes Owen Killeen back to work after a recent illness. . . . Also a hearty welcome is extended to all the new members: Jim Hibbits, Carrye Powell, Pat Patterson, Joan Diehl, Faye Brown, Tom Barton, Marlin Dill, Betty Chandler, Ann Webb, and Nell Murphy. . . . Mary Brewer spent last week's vacation at home in Lawrenceburg, Tenn. . . . Stanley Cole and his family have returned from vacationing in North Carolina and Jacksonville, Fla. . . . Martha and Ed McCombs visited his parents in Chicago, Ill., while on last week's vacation. . . . Lodean Butler and her family took a recent vacation trip through Missouri, Oklahoma and Texas. . . . Bonnie Anderson vacationed recently at her home in Graymont, Ga. . . . Guy Wells is sporting a new Dodge; and Andy Skritnansky is the proud owner of a new Buick. . . . Ann Wenzler entertained her

sister-in-law from Memphis, at her home in Clinton while on vacation. They spent a few days in the Smokies and spent some time seeing other local points of interest. . . . Jeanne Tipton treated the group with which she works to a swimming party at the Alcoa pool then to a dinner at her home in Maryville, last Thursday night. . . . Charles Gurney, Denny Ledford, Deborah Hubbs, Muriel Culbertson, Ida Johnson, Anna Bishop, and Margaret Guess were among last week's vacationers.

J. W. Ebert, of the Chemical Department, and his family visited their relatives in Idaho and in California, while vacationing. . . . Paul Petretzky and his family have returned from a recent vacation trip to Canton, Ohio.

Billie Rhea Butters, of Maintenance Shops, is spending a two-week vacation at Miami Beach, Fla.

M. R. Skidmore, of the Isotope Research and Production Department, and his family have returned from a two-week vacation at Daytona Beach, Fla., and Baxter, Ky.

Chief W. O. Watson, of the Guard Department, and his family spent last week vacationing at Daytona Beach, Fla. . . . Naomi Smelcer is spending her two-week vacation on a tour of California. . . . Sgt. W. C. Nelson has returned from a week's vacation spent at home getting acquainted with that brand new son. . . . T. J. Bush is on a two-week vacation. . . . We wish to express our apology to P. E. Gipsen for the misprint in last week's column. The congratulations should go to P. C. Goins, who took off last week to be married.

Capt. E. F. Greer, of the Fire Department, and his family journeyed down to Chattanooga, last week end to attend the Women's State Softball Tournament. Carl E. Mathes plans to enter his "hot rod" in the races at the Broadway Speedway in Knoxville. The driver is none other than Emmett Moore.

The Tools Department wishes a speedy recovery for J. R. Robinette, who is recuperating from a tonsillectomy.

Gladys Darnell, of the Reactor Technology Division, spent the week end with an aunt in Washington, D. C.

The Research Engineering Department and friends of Lillian Hatmaker and her husband, Earl, extend sympathy to them at the recent death of his mother, Mrs. Ella Hatmaker, in Oak Ridge; Lillian is resting up at her home this week.

The Property Department welcomes Ruth Merrell back after an extended illness. . . . Sue Gragg is vacationing in Jamestown, Tenn., this week. . . . Olyne Kappelman and Fred, of the Isotope Research and Production Division, have as guest Fred's sister, Irene Kappelman, from Lynbrook, Long Island, N. Y. . . . Congratulations are extended to W. B. Plemens, formerly in the department and now in the Navy, and his wife, Clara, at the birth of a baby girl on August 5, in the Oak Ridge Hospital.

E. J. Greeley, of the Research Service Department, is touring

## S-A-F-E-T-Y Article By Y-12er Timely For All Employees

W. E. Honeycutt, of the Y-12 Guard Department, author of sprightly verse and prose on safety and security, has submitted another timely contribution to The Bulletin. Here it is:

S—is for safety, so do your part. Don't horse play on the job and think you are smart.

A—is for awards, many of which we have won. If you don't work safely, there might as well have been none.

F—is for forgetting, which we must not do. Think and be safe in everything you do.

E—is for ever—forever be safe at your work and your play.

T—is for time—time you may lose when you forget to obey your safety rules.

Y—is for years you may have ahead if you apply safety rules and use your head. If you don't you may be sad, for safety is no good after you are dead.



The following Y-12ers were patients at the Oak Ridge Hospital last week; Gordon Fielden, David E. Dryden and Claude O. Jones of Electrical Maintenance; Ray F. Benson, Reactor Experimental Engineering; Patricia H. Ravage, Isotope Research and Production; J. R. Burgess, Field Maintenance; Robert Smithson, Product Chemical; Everett H. Anderson, Biology; Barton B. Thornton, Manufacturing Offices; Alfred Stockton, Building and Grounds; and William H. Rice, Plant Engineering.

## Amateur Camera Club To See 'Land Of Liberty'

The Oak Ridge Amateur Camera Club will meet tomorrow night, August 16, at 8 p. m., at the Museum of Atomic Energy. The meeting will feature "Land of Liberty," a film composed of excerpts from previously produced Hollywood films. The film depicts the growth of the country through portrayal of historical characters by famous actors and actresses.

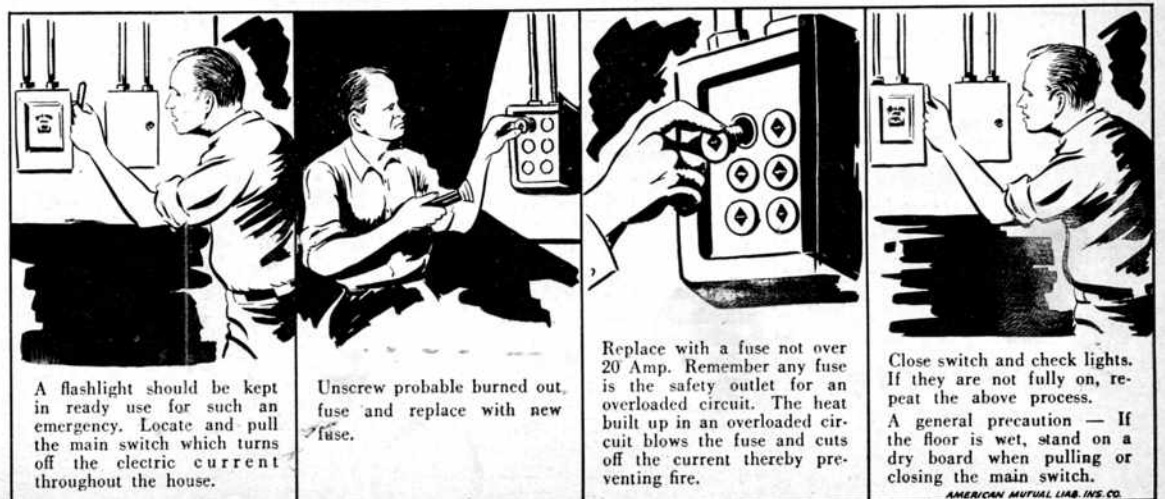
The meeting will also include the monthly comments and criticism of a member's film.

Florida while on vacation this week. . . . C. E. Harris is on vacation this week. . . . C. C. Sharp is vacationing for two weeks.

J. C. Bresnahan, of Electrical Maintenance, is on a two-week vacation.

Frank Kertesz, of the Material Chemistry Division, made a recent trip to the Battelle Institute of Ohio.

## Here's How To Safely Change An Electric Fuse At Home





## Red Birds Drop Tourney Opener To ORNL Nine

The Y-12 Red Birds dropped their first game of the Oak Ridge ASA softball tournament, to the ORNL softies, by the score of 2-0. The Labsters scored one run in the third inning when a ball hit a wire in left field and fell in fair territory for a hit, and the second run was scored on an error.

Bobby Loy and L. C. Martin got the hits for Y-12, Loy getting a triple and Martin lined for a single. Loy and Hale were the battery for the Reds with Loy striking out ten men, nine of them in the first four innings.

The third game of the tournament which was to be played Saturday night, August 11, was postponed and rescheduled for Monday, August 13. During the warm-up period before the game, "Po" Smith, pitcher and manager of the K-25 club was injured and the game was postponed by vote of the Y-12 players.

Team	R	H	E
ORNL	022	000	0-2 4 1
Y-12	000	000	0-0 2 3

ORNL: Keller and Morgan. Y-12: Loy and Hale.

## Y-12 Plant Bowling Meeting Scheduled Friday, August 17

A general Y-12 Plant bowling meeting will be held Friday, August 17, at 8 p. m., at the Star Light room of the Oak Terrace. All teams are urged to have a representative present at the meeting.

Plans for the coming season in all Y-12 bowling leagues will be discussed. Teams expecting to bowl in one of the Plant leagues must be present as alley reservations will be requested on the basis of representation at the meeting. Organization of the B. C. D. W and Mixed Leagues will be started. There is also a possibility of a new scratch league being formed.

This looks like a banner year for bowling in Y-12, so get to the meeting and be sure your team is entered in a league. Refreshments will be served at the meeting.

## East Tennessee Riding Club To Present Show Friday

Several Y-12ers are active in the East Tennessee Riding Club and Horse Show Association which is sponsoring a Horse Show to be held at Oakwood Park, Friday, August 17, at 8 p. m.

Y-12ers participating in the show are: J. T. Epperson, Maintenance Shops; J. P. Jackson, ANP Division; Eustis Rogers, Building and Grounds Department, and R. D. Thompson.

## Activators Move Up In Summer League

The Y-12 Activators of the Summer Bowling League won four games from the Y-12 All Stars Wednesday, August 8, on the Central Alleys. The Activators moved into a tie for third place with the K-25 Flub Dubs. The Gophers, the third team from Y-12 won one point from the K-25 All Stars.

Marlow of K-25 had the high handicap game of 228, while Strickland, also of K-25, had the high series. The Activators had the high team game of 1002 with the K-25 All Stars taking the high series honors.

"I don't mind your going out every week to bowl, darling, but do you have to do it in the alley?"

## Y-12 SPORTS NEWS

6-3102



**THE RUSTY 9 TEAM OF THE Y-12 AREA SOFTBALL LEAGUE**—Front row, left to right: J. P. Smith, Eddie Payne, Hobart Thomas and R. C. Byrd. Back row, left to right: J. L. Noey, H. M. Payne, J. J. Moynihan, F. S. Patton, B. G. McAllister, J. D. Rose and E. A. Crow, Jr.

6-3106



**THE DUDS OF THE Y-12 AREA SOFTBALL LEAGUE**—Front row, left to right: Bill Buffington, Willie Fowler, Vic Anderson, Preston Wallace and Tally Livingston. Back row, left to right: Abe Snapp, Charley Peterson, Sam Schultz, Harley Law and Bill Lowry.

6-3105



**THE ISOTOPES, GIANT KILLERS, OF THE Y-12 AREA SOFTBALL LEAGUE**—Front row, left to right: Dave Creech, Jim Adams, Judy Killian, Ferris Killian and Carl Frazier. Back row, left to right: R. L. Jeffries, Joe Walton, C. Shotts, W. W. Davis and W. C. Anderson.

## Y-12 Robins Win State Tourney Opener Before Losing Lower Bracket Contests

The Y-12 Robins made a brilliant showing in their first game of the ASA State Tournament, Saturday morning, August 11, when they defeated the Chattanooga Box Co. team by the score of 22-5. However, the 95 degree heat and the strain of three games in one day soon caught them and they dropped their second game to Vestal, 4-1, and then lost the night game to the Raglin team, last year's winners, by the score of 12-0.

The Robins ran wild in their first contest when they collected 22 runs on 25 hits and four errors. Helen Brown led the Y-12ers in hitting with five hits for five times a bat. She was followed by Imogene Loy, who had four hits for six times at bat, including a home run. Ruby McGinnis also had four for six.

The Y-12ers failed to show the hitting power demonstrated in the morning game when they met Vestal of Knoxville in the afternoon game. The Robins made one threat in this game when they loaded the bases with only one out in the sixth inning; the rally failed however when the next two batters were put out.

The nightcap was a one-sided ball game with the girls showing

the strain of the heat and the first two games.

Line scores follow:

Team	R	H	E
Y-12	22	25	3
Chattanooga Box Co.	5	4	4

Y-12: Aikman, Clough and Roberts.

Vestal	4	10	3
Y-12	1	4	2

Vestal: Wetzel and Akers. Y-12: Aikman and Roberts.

Raglin	12	14	2
Y-12	0	2	4

Y-12: Aikman, Clough and Roberts.

Then there's the story they tell about the two men who were working to put up a brick wall. A passer-by stopped to ask them what was going on.

"I'm just laying some bricks, that's all," replied one of the men.

But the fellow working alongside him said, with pride, "I'm helping building a cathedral."

## Y-12 Golf Tourney Underway With 6 Flight Championships Waiting Winners; Ends Aug. 28

Drawings for the Y-12 Flight Tournament were held at the Recreation Office, Friday, August 10. Match play in the tournament started last weekend with the tournament continuing through Sunday, August 26.

The matchings for the first round of play are as follows:

## Isotopes Play Giant Killers In Plant League

The Isotopes of the Y-12 Area Softball League became the team of the week last week, when they defeated both the second place Orphans and the league leading 9212 team. The Sparks also continued their brilliant play by winning two games again last week to move within a half a game of the third place Duds.

With the league now in its final week of scheduled play and with a week of make-up games to play, the league leaders are being pressed. A loss in these last two weeks of play may mean the difference between winning and losing the league lead.

League standing and last week's results follow:

Team	W	L
9212	12	2
Orphans	10	3
Duds	8	4
Sparks	8	5
Isotopes	7	5
All Stars	6	6
Rusty 9	4	9
9211	4	9
Grocers	4	10
49ers	3	9

Team	R	H
9212	320	100 1-7 8
Duds	000	000 0-0 2

9212: Mustin and Moses. Duds: Law and Anderson.

Isotopes	070	533 0-18 14
Orphans	013	014 4-13 13

Isotopes: Killian and Frazier. Orphans: Koons and Stephan.

Grocers	303	31-10 13
49ers	010	52-8 14

Grocers: Doss and Orazio. Walker. 49ers: Ford and Jones.

Sparks	530	4-12 12
Rusty 9	403	1-8 8

Sparks: Maness and Lanier. Rusty 9: McAllister and Morris, Smith.

9211	020	213 5-13 10
All Stars	200	050 0-7 6

9211: Burnett and Garrison. All Stars: Cottrell and Twitchell.

Grocers	7	0 0 2 0 0-9 10
Sparks	2	0 0 2 13 x-17 16

Grocers: Doss and Walker. Sparks: Maness and Lanier.

Isotopes	110	727-18 12
9212	302	130-9 11

Isotopes: Love and Frazier. 9212: Mustin, Barker, McPherson and Moses.

## Y-12 Scores 28-2 Win In Slow-Pitch

The Y-12 Team of the City Slow Pitch League Won their first game of the second half when they defeated the Jewish Congregation team by the astronomical score of 28-2. The game on Wednesday, August 8, produced 31 hits, 27 of them by the Y-12 team.

George McPherson led the Y-12ers at the bat with four hits for five times at bat. McPherson had a single, a double, a triple and a home run in his five times at bat. Three others collected four hits in the slugfest, Clyde Smith had a single, two doubles and a triple. Paul Braden collected four singles as did W. C. Anderson.

The Y-12ers meet Roane-Anderson tonight at the Midtown field.

Team	R	H
Y-12	2	2 12 12-28 27
Jewish Cong.	0	2 0 0-2 4

Line score follows:

The only thing a woman doesn't clearly understand is why she married that guy.

Championship flight: Les Cater, medalist, vs. E. L. Olson; A. L. Sawyer vs. Jack Spears; Clyde Bowles vs. by; Harvey Saylor vs. Carl Dorr; John Shugart vs. by; Leo Caldwell vs. by; Arnold Tiller vs. by; and Floyd Ludwig vs. V. J. Meece.

Second flight: Walt Sherrod vs. Harvey Keese; Ward Foster vs. E. G. Richardson; Dave Crouse vs. John Hill; and F. C. Lowry vs. W. D. Lavers.

Third flight: C. E. Harris vs. K. B. Brown; J. D. Brown vs. Joe Dunlap; J. Boyd vs. G. Petersen; and George Nessle vs. George Mitchel.

Fourth flight: W. Miller vs. L. G. Overholser; Harold Ratjen vs. Nelson Tibbatts; Lamar Mathews vs. Jay Holzknecht; and E. Breas-seale vs. C. Johnson.

Fifth flight: Don Matlock vs. Warren Grimes; by vs. Gentry Underwood; Arch Hooker vs. by; and by vs. Elmore Koons.

Sixth flight: Harvey Saylor Jr. vs. J. E. Smyrl; by vs. Bill Koons; W. R. Barwich vs. by; and J. Moynihan vs. George Oliphant.

The following are the results of matches played in the Y-12 Golf tournament last weekend:

Championship flight: Cater over Olsen, 3 and 2; Sawyer over Spears; and Dorr over Saylor.

First flight: Spears over Olsen.

Second flight: Keese over Sherrod; Foster over Richardson; Crouse over Hill and Lavers over Lowry.

Third flight: Harris over K. B. Brown; J. D. Brown over Dunlap; Boyd over Peterson and Nessle over Mitchel.

Fourth flight: Tibbatts over Ratjen and Mathews over Holzknecht.

Fifth flight: Matlock over Grimes and Koons over Hooker.

Sixth flight: Saylor over Smyrl and Oliphant over Moynihan.

## Y-12 Cardinals Win Final In Knox-Ridge

The Y-12 Cardinals won their final game of the season from the ORNL team, 7-4, to give the Labsters their first defeat of the second half of league play. The Y-12ers collected their seven run on 11 hits and six Lab errors.

Bill Coker did the pitching for Y-12, showing top form and did a swell job on his first mound assignment. Bill struck out two, walked one and gave up eight hits. Weigelt did the receiving for the Cards and turned in another stellar performance.

The Y-12 Cardinals will play Rockford at 8 p. m., Friday, August 17, at Caswell Park, Knoxville.

Line score follows:

Team		R	H	E
ORNL	002 020 0—	4	8	6
Y-12	100 240 x—	7	11	3

ORNL: Gwinn and Tucker. Y-12: Coker, Carter and Weigelt.

ORNL: Gwinn and Tucker. Y-12: Coker, Carter and Weigelt.

## ARGONNE STARTS NEW LAB

Ground was broken July 9 for a laboratory building at the Argonne National Laboratory to house a new atomic furnace, it has been announced by Alfonso Tommaro, manager of the Chicago Directed Operations of the Atomic Energy Commission.

## QUALIFYING DATES SET FOR RIDGE OPEN TOURNEY

Qualifying dates for the Oak Ridge Open Golf Tournament have been set on August 18 through August 30. The tournament will be held September 1, 2, and 3.



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## Write Down The Facts For Proof If Patent On Invention Is Desired Says Patent Office

The following is the second article on the subject of Patents written by Fred Lewis of the Carbide Patent Office.

"Morning, George. How did you come out with the Company Patent Office last week? Are they going to disclose your friction welding process to the AEC?"

"Say! 'Friction Welding of Plastics' is just the title I've been hunting for! The best I could do in the draft of my report was **Method for Joining Plastics by Rotating One Against the Other Under Pressure.**' The typist complained about it."

"I don't blame her. Did the Patent Office send someone around to see you?"

"Yes, and you should have been here, Lee! Thanks to that briefing you gave me on patents, I was really ready for that patent fellow when he came in the door. 'Nice process,' I told him; 'seems to be patentable subject matter and it's got utility.' He looked surprised. 'Looks like it might have novelty, too,' I said. He didn't say anything. Then I let him have it. 'I wouldn't be surprised if it's beyond the skill of the ordinary guy versed in the art,' says I."

"What did he say to that?"

"You could tell he was impressed. He muttered something about 'Everybody's learning to read!' and then he picked up my sketch—the one I had you sign and date last week. 'What's this,' he says. 'That's my first evidence,' I told him. He looked it over. 'Your evidence?' he says. Well, Lee, here I had you sign and date that thing, but I hadn't indicated anywhere that it was my sketch or my process."

"Oh, oh. Well, you did make a notebook entry later, didn't you?"

"I didn't, but Hawkins did. 'Here,' I says, 'let me read you Hawkins' notebook entry. **Today a new process was developed for joining two lucite rods by mounting them in a lathe and spinning one against the other.** That's my second evidence,' I told him. 'Your evidence?' he says again. Well, Hawkins keeps a good notebook, and I showed this fellow how Hawkins had signed and dated each page, and how he'd had somebody witness each section, according to the instructions in that little red book the Company Patent Office puts out."

"You mean the one called **Keeping Notebooks for Legal Evidence?**"

"Yeah. 'Not bad,' he says; 'now show me where you're identified as the inventor.' Well, of course Hawkins hadn't put that down. Everyone knows I'm the one who got the idea—at least you and Hawkins do. 'That's right,' he says, 'but you can see how much trouble it might be to establish that fact if Hawkins and Lee were gone. And another thing,' he says, 'look who witnessed that entry.' Know what, Lee? I happened to witness it myself."

"Oh, brother! Keep your own notebook, George. Have it witnessed periodically by somebody who understands the work, but not by someone who has done any of the actual development.

Specify who did what, and a lot of trouble may be saved—especially in cases where several persons discussed the problem in conference."

"Suppose no records were available, Lee. Couldn't a patent be applied for without the inventors being known?"

"No. Every patent has to be applied for in the names of the inventors. In other words, the inventors must be the applicants. If, however, they formally assign the entire interest in the invention to another party—known as the assignee—the patent will issue to the assignee. For example, if the Government files for a patent on your development, you will be the applicant, but after you sign the necessary papers, the patent—if any—will issue to the United States of America as the assignee of the entire interest."

"What if an application is filed in the name of someone who's not an inventor?"

"If a patent actually issues with the wrong inventors, and this fact is proved in the courts, the patent will be declared void."

"Well, how can you tell which persons are inventors?"

"That's a tough one, George. Answering the question broadly, inventors are those persons who have contributed features above and beyond the skill of the competent worker versed in the art."

"Oh, oh. Here we go again."

"No, here I go again, George. Happy inventing!"

## Texas City Plant Has New Acetylene Process

Continued from Page 1

types of electric arc processes and thermo-cracking processes. In any electric process for the manufacture of acetylene, the electrical energy consumption represents a major item in the cost of operation. The partial oxidation process on the other hand, requires appreciably less power than any known electric process for producing acetylene.

The Texas City acetylene installation includes a purification unit which separates the acetylene from the gas mixture and raises the acetylene to high purity. After purification, the acetylene is used in the manufacture of "Vinylite" resins, important plastics in the defense program.

Initial experimental work on the partial oxidation process was started by the Carbide and Carbon Chemicals Company in 1945.

It is expected that the partial oxidation process will play an important part in the chemical field since acetylene gas is a valuable raw material in the manufacture of so many industrial chemicals, such as vinyl chloride, acrylonitrile, and acetic acid. While many of these chemicals are also made from ethylene, there are several that are made from acetylene exclusively. These include vinyl acetate, trichlorethylene and chloroprene—the polymer of which is Neoprene.

Commercial operation of the partial oxidation process, however,

## Building And Flying Model Airplanes Is Championship Affair With Y-12er Joe Culver And Members Of His Model Family

Joe Culver of the Reactor Experimental Engineering Division was for several years the only member of his family to hold a national championship in flying model airplanes, but since 1949 his son, Dick, has been co-holder of this distinction. Culver won the national title at Detroit, Mich., in 1929, Dick won the national title in the compressed gas powered event at Olathe, Kansas, in 1949.

The Culver family is a model builders club in itself. All members of the family, with the exception of the youngest are model builders and compete in meets held throughout the area. In a recent meet at Chattanooga all members of the family won trophies with Dick winning junior high point trophy and Eddie winning the freshman high point trophy.

Culver has been building model planes for about thirty years, and his activity in this hobby has gained him much recognition throughout the country. His planes are made from kits as well as original designs. Mrs. Culver and Dick are also active builders but for convenience sake stick more to the kit models.

Culver says that there is no active model builders club in Oak Ridge. However the Exchange Club has been sponsoring classes in model building with Culver and son, Dick, doing the instructing.

Three members of the family, Mr. and Mrs. Culver and Dick are members of the Academy of Model Aeronautics, the national association of model builders. Eddie Culver plans to join the academy in the near future. It is necessary to be a member of the academy to compete in the majority of meets held in the area and throughout the country.

The Culvers plan to enter several more meets before the season is over, with meets at Crossville and Elizabethton coming up in the near future. They hope to add more trophies to their collection as well as have a lot of fun and fellowship in the competitions.

## Turf Riders, Rippers Tied In Golf Loop

The Turf Riders and the Rippers of the Y-12 Plant Golf League remained tied at the end of last week's play. The Turf Riders defeated the Four Woods 13 and 23, while the Rippers won their sixth match from the Hooks. The two first place teams will meet this week in a regular scheduled match. The winner of this match will be the second half champion.

In the other matches played last week the Deacons defeated the Birdies, 16-20; the Green Rays beat the Divots, 17-19 and the Rough Riders defeated the Four Hundreds 17½ to 18½.

probably will be confined to large-scale installations in areas having large natural gas reserves, and to locations where the acetylene gas produced can be utilized directly adjacent to the point of manufacture. At Carbide's Texas City plant the necessary basic materials, methane and oxygen, are available at relatively low cost. The process is, therefore, a natural outgrowth of the Company's needs for acetylene for the production of important industrial chemicals—especially its resin intermediates, vinyl chloride and vinyl acetate.

Calcium carbide, which is the present major source of acetylene gas is an important product of Union Carbide and Carbon Corporation and will continue to find a wide field of use.

A hobby is hard work you would not do for a living.



THE CULVER FAMILY PICTURED WITH THEIR TROPHIES gathered during 1950-1951 meets. Left to right: Dick, Mrs. Culver, Jean, Mr. Culver, David and Eddie. In the bottom picture the Culvers display a row of the models with which they have won some of the above trophies. Left to right: Joe Culver, Mrs. Culver, Eddie, Dick and David.

## Industry Winning Battle Against Accidents While Working; Off-The-Job Mishaps Grow

Industry is winning its battle against work accidents. Year after year new low records are posted in industrial accident rates.

However, no such spectacular progress is being made in eliminating accidents to workers when they are off the job.

On the job, workers are influenced for safety in many ways. Posters proclaim safety messages. Supervisors teach safe-working procedures. Safety devices and equipment are provided to protect the worker.

It is in the time after work that workers sometimes relax and make the mistake—sometimes fatal—that brings about an accident.

### Fatalities Two To One

Workers are out from Supervision, but the hazard still is there—and, in fact, increased. For every worker killed accidentally on the job statistics show that there are two killed off the job.

The country is mobilizing more and more forces to fight the off-the-job accident problem. Better highways, more intelligent traffic control and other factors all help. Many organizations devoted to accident prevention are doing their best to awaken the public to the dangers faced in homes, on the streets and elsewhere.

In the long run progress can best be made by persons who work on jobs and who work, live and play in the community.

### Common Sense Best Reason

Common sense gives the best possible reason for playing safe away from work. Off-the-job accidents kill about 35,500 Americans every year and cripple another 2,600,000. They knock out 60,000,000 man-days of wage earning—productive time that cannot afford to be lost in these days

of rising prices.

So remember—death punches no time clock; he works 24 hours per day.

### Rides Wanted And Offered

**Riders Wanted**—From Burlington and along Solway Road to Y-12, straight days. A. W. Alexander, telephone 7371 of Knoxville 3-0232.

**Ride Wanted**—From Fountain Avenue, Fountain City. Straight day shift. "Jo" Brown, Telephone 7649, or home Phone 6-1455.

**Ride Wanted**—From Lake City, by shift worker; works 7 to 3 or 3 to 11 shifts six days a week. Telephone 7436 or 7319.

### FIREMEN FIND ANOTHER WAY TO START BLAZES

Those firemen down at Y-12 fire house have found another fire hazard—it was published in the Fireman's Fund Record and circulated by the National Safety Council. The item reports that few, if any, persons have ever seen a pigeon smoking a cigarette, but some passersby were startled to see one of these birds flying around with a lighted cigarette in its bill over the Illinois state capitol building. Perching on the roof of the building, the bird dropped the burning fag and a fire was caused with \$600 damages.

The question around Y-12 is—"Who has seen a pigeon around these parts—smoking or not?" Maybe the moral is "Don't teach pigeons to smoke cigarettes."